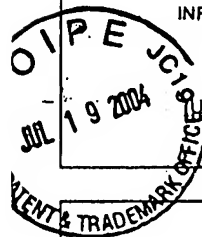


FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. CTJPL.010A	APPLICATION NO. 10/829,598
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Graetz, et al.	
		FILING DATE April 22, 2004	GROUP 1745



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
/RH/	1	US 6,334,939 B1	1/1/02	Zhou, et al.	204	409	6/15/00

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)						
/RH/	2	K. Sayama, H. Yagi, Y. Kato, S. Matsuta, H. Tarui, and S. Fujitani, Abstract 52; The 11th International Meeting on Lithium Batteries, Monterey, CA, June 23-28, 2002					
	3	T. Takamura, S. Ohara, J. Suzuki, and K. Sekine, Abstract 257, The 11th International Meeting on Lithium Batteries, Monterey, CA, June 23-28, 2002					
	4	Li, et al., "A High Capacity Nano-Si Composite Anode Material for Lithium Rechargeable Batteries" Electrochemical and Solid-State Letters, 2 (11) 547-549 (1999)					
	5	Ohara, et al., "Li Insertion/Extraction Reaction at a Si Film Evaporated on a Ni Foil" Journal of Power Sources 119-121 (2003) 591-596					
	6	Graetz, et al., "Highly Reversible Lithium Storage in Nanostructured Silicon, Electrochemical and Solid-State Letters" 6 (9) A194-A197 (2003)					
	7	D. Shneyder, "Two-Dimensional Oxidation of SiGe" 69-71, http://www.nnf.cornell.edu/1999REU/ra/Shneyder.pdf					

H:\DOCS\PTH\PTH-1786.DOC
071504

EXAMINER	/Robert Hodge/	DATE CONSIDERED	10/17/2007
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.			

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number	10829598
Filing Date	2004-04-22
First Named Inventor	Graetz et al.
Art Unit	1745
Examiner Name	Not Assigned
Attorney Docket Number	27-06

U.S. PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
/RH/ ↓	1	6852446		2005-02-08	Barbarich	
	2	6844115		2005-01-18	Gan et al.	
	3	6743547		2004-06-01	Gan et al.	
	4	6713214		2004-03-30	Koga et al.	
	5	6358649		2002-03-19	Yazami et al.	
	6	5175066		1992-12-29	Hamwi et al.	
	7	5114811		1992-05-19	Ebel et al.	
	8	4431567		1984-02-14	Gestaut et al.	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10829598
Filing Date	2004-04-22
First Named Inventor	Graetz et al.
Art Unit	1745
Examiner Name	Not Assigned
Attorney Docket Number	27-06

/RH/	9	4119655		1978-10-10	Hulme	
	10	3956018		1976-05-11	Kozawa	
	11	3536532		1970-10-27	Wantanabe et al.	
	12	6649033		2003-11-18	Yagi et al.	

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

U.S.PATENT APPLICATION PUBLICATIONS

Remove

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20050227146		2005-10-13	Ghantous	

If you wish to add additional U.S. Published Application citation information please click the Add button.

Add

FOREIGN PATENT DOCUMENTS

Remove

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	0203430	WO		2002-01-10	Flagan et al.		<input type="checkbox"/>
↓	2	0776053	EP		1997-05-28	El-shall et al.		<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10829598
Filing Date	2004-04-22
First Named Inventor	Graetz et al.
Art Unit	1745
Examiner Name	Not Assigned
Attorney Docket Number	27-06

/RH/	3	1028476	EP		2000-08-16	Kaminaka et al.		<input type="checkbox"/>
------	---	---------	----	--	------------	-----------------	--	--------------------------

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	ARORA and ZHANG, Oct. 13, 2004, "Battery Separators," Chem. Rev., 104:4419-4462	<input type="checkbox"/>
	2	CHARLIER et al., 1993, "First principles study of graphite monofluoride (CF) _n ," Phys. Rev. B, 47:16162-16168	<input type="checkbox"/>
	3	DAVIDSON, 2003, "Lithium Batteries, Molecular Expressions, Electricity and Magnetism," Florida State Univ., http://micro.magnet.fsu.edu/electromag/electricity/batteries/lithium.html	<input type="checkbox"/>
	4	EBERT et al., 1974, "Carbon monofluoride. Evidence for a structure containing an infinite array of cyclohexane boats," J. Am. Chem Soc., 96:7841-7842	<input type="checkbox"/>
	5	FUJIMOTO, 1997, "Structure analysis of graphite fluoride by Rietveld method," Carbon, 35:1061-1065	<input type="checkbox"/>
	6	GUPTA et al., 2001, "Raman scattering study of highly fluorinated graphite," J. Fluorine Chem., 110:145-151	<input type="checkbox"/>
	7	International Search Report Corresponding to PCT/US 2003/28395, Mailed Feb. 8, 2005	<input type="checkbox"/>
	8	JACOBS, "Lithium battery basics, Machine Design, www.machinedesign.com/ASP/strArticleID/55501/strSite/MDSite/view Selected Art.asp , Downloaded Oct. 14, 2005	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10829598
Filing Date	2004-04-22
First Named Inventor	Graetz et al.
Art Unit	1745
Examiner Name	Not Assigned
Attorney Docket Number	27-06

/RH/	9	JACOBS, "Long-lasting lithiums," Electron. Comm Technol., http://dataweek.co.za/Article.ASP?pkArticleID=1847&pkIssueID=455 , Downloaded Oct. 14, 2005	<input type="checkbox"/>
	10	KITA et al., 1979, "Chemical composition and crystal structure of graphite fluoride," J. Am. Chem. Soc., 101:3832-3841	<input type="checkbox"/>
	11	LI, et al., 2000, "The crystal structural evolution of nano-Si anode caused by lithium insertion and extraction at room temperature," Solid State Ionics, 135:181-191	<input type="checkbox"/>
	12	MITKIN et al., 2002, "X-ray photoelectron and Auger spectroscopic study of superstoichiometric fluorographite-like materials," J. Struct. Chem., 43:843-855	<input type="checkbox"/>
	13	NAKAJIMA et al., 1999, "Electrochemical behavior of surface-fluorinated graphite," Electrochem. Acta, 44:2879-2888	<input type="checkbox"/>
	14	NANSE et al., 1997, "Fluorination of carbon blacks: an x-ray photoelectron spectroscopy study: I. A literature review of XPS studies of fluorinated carbons. XPS investigation of some reference compounds," Carbon, 35:175-194	<input type="checkbox"/>
	15	PELIKAN et al., 2003, "On the structural and electronic properties of poly(dicarbon monofluoride): solid-state semi-empirical INDO study," J. Solid State Chem., 174:233-240	<input type="checkbox"/>
	16	PILARZYK, "Lithium carbon monofluoride coin cells in real-time clock and memory backup applications," Rayovac, White Papers, http://www.rayovac.com/technical/wp_lithium.htm , Downloaded Oct. 17, 2005	<input type="checkbox"/>
	17	TOUHARA et al., 1987, "On the structure of graphite fluoride," Anorg. All. Chem., 544:7-20	<input type="checkbox"/>
	18	WHITTINGHAM, 1975, "Mechanism of reduction of fluorographite cathode," J. Electrochem. Soc., 122:526-527	<input type="checkbox"/>
↓	19	ZAJAC et al., 2000, "The structure and properties of graphite monofluoride using the three-dimensional cyclic cluster approach," J. Solid State Chem., 150:286-293	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		10829598
Filing Date		2004-04-22
First Named Inventor	Graetz et al.	
Art Unit	1745	
Examiner Name	Not Assigned	
Attorney Docket Number	27-06	

/RH/	20	ZHOU, et al., 1999, "Controlled Li doping of Si nanowires by electrochemical insertion method," Applied Physics Letters, 75(16):2447-2449	<input type="checkbox"/>
	21	AUTHOR (UNKNOWN), "Meeting the energy need of future warriors," National Academic Press, www.nap.edu/openbook/0309092612/html/91.html, Downloaded Oct. 14, 2005	<input type="checkbox"/>
	22	AUTHOR (UNKNOWN), "Meeting the energy need of future warriors," National Academic Press, www.nap.edu/openbook/0309092612/html/88.html, Downloaded Oct. 14, 2005	<input type="checkbox"/>
	23	AUTHOR (UNKNOWN), "Lithium Batteries," Panasonic Ideas for Life, Product brochure, www.panasonic.com/industrial/battery/oem/chem/liih/index.html, Downloaded Oct. 14, 2005	<input type="checkbox"/>
	24	AUTHOR (UNKNOWN), "PowerStream Battery Chemistry FAQ, PowerStream Technology, www.powerstream.com/BatteryFAQ.html, Last Updated Aug. 17, 2003	<input type="checkbox"/>
	25	Lam et al. (Jun. 27, 2005) "Physical Characteristics and Rate Performance of (CFx)n (0.33<x<0.66) in Lithium Batteries," J. Power Sources: 153:354-359	<input type="checkbox"/>
↓	26	International Search Report Corresponding to PCT/US 05/37871, Mailed Apr. 19,2006	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	/Robert Hodge/	Date Considered	10/17/2007
--------------------	----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10829598
	Filing Date		2004-04-22
	First Named Inventor	Graetz et al.	
	Art Unit	1745	
	Examiner Name	Hodge, Robert W	
Attorney Docket Number		27-06	

U.S. PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

U.S. PATENT APPLICATION PUBLICATIONS						Remove
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

Add

FOREIGN PATENT DOCUMENTS								Remove
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² i	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
/RH/	1	05004204	WO		2005-01-13	Heath et al.		<input type="checkbox"/>
↓	2	04025757	WO		2004-03-25	Graetz et al.		<input type="checkbox"/>
↓	3	0196847	WO		2001-12-20	Zhou et al.		<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10829598
Filing Date	2004-04-22
First Named Inventor	Graetz et al.
Art Unit	1745
Examiner Name	Hodge, Robert W
Attorney Docket Number	27-06

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
/RH/	1	Search Report for Corresponding International PCT Application, PCT/US2005/013268, Mailed April 7, 2006	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	/Robert Hodge/	Date Considered	10/17/2007
--------------------	----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.